

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 02/14774

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 148 754 A (NOKIA MOBILE PHONES LTD) 24 October 2001 (2001-10-24) column 5, line 40 - line 48 abstract; figure 2	34,38-42
Y	---	1-9
Y	WO 02 093290 A (NOKIA CORP ;NOKIA INC (US)) 21 November 2002 (2002-11-21) abstract; claim 1	1-9, 20-24
Y	---	
Y	US 6 311 069 B1 (BOLTZ DAVID ET AL) 30 October 2001 (2001-10-30) abstract	20-24
A	---	
	WO 01 60100 A (BENEFON OYJ ;SIKILAE SAMI (FI)) 16 August 2001 (2001-08-16) page 7, line 11 - line 23 abstract	1-43

	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

18 August 2003

Date of mailing of the international search report

11.09.2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

LISBETH ANDERSSON/JA A

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 02/14774

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 2002/193942 A1 (MURATA KATSUTOSHI ET AL) 19 December 2002 (2002-12-19) abstract; figures 6,8,9 -----</p>	1-43

INTERNATIONAL SEARCH REPORT
 information on patent family members

International Application No
PCT/EP 02/14774

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1148754	A	24-10-2001	EP 1148754 A2	24-10-2001
			JP 2001356163 A	26-12-2001

WO 02093290	A	21-11-2002	WO 02093290 A2	21-11-2002

US 6311069	B1	30-10-2001	NONE	

WO 0160100	A	16-08-2001	FI 20000268 A	10-08-2001
			AU 3551501 A	20-08-2001
			EP 1295500 A1	26-03-2003
			WO 0160100 A1	16-08-2001

US 2002193942	A1	19-12-2002	JP 2002357448 A	13-12-2002
			CN 1389708 A	08-01-2003
			EP 1263252 A2	04-12-2002
